Future Plan

RESEARCH

The department of Agricultural Economics runs four research schemes as under.

(1) The scheme for strengthening Research in Agril. Economics (B.H. 5018 Navsari , Non plan scheme).

Objectives:-

To study the different types of economical problems arise day to day in South Gujarat region. The scheme had working the different types of economical problems of South Gujarat region like cost of production and marketing of foodgrains, vegetable crops, fruit crops; processing, marketing management and floriculture crops are studied.

Since 1975-76, the following research projects have been carried out under the scheme "strengthening research in Agril. Economics" are as under.

1.	To study the problems and prospects of HYV paddy / wheat crops in Bulsar district of South Gujarat. (1975-76 to 1978-79)
2.	Study on marketing of agricultural produces in South Gujarat region (1979-80 to 1981-82)
3.	Marketing of fruit crops in South Gujarat with special reference to mango, chiku and banana (1982-83 to 1985-86).
4.	To study the viability of agricultural credit for the farmers in South Gujarat region (1986-87 to 1989-90).
5.	To study the economic evaluation of existing cropping pattern and suggest the optimum cropping pattern for the South Gujarat region (1990-91)
6.	Lab our utilization pattern in agriculture in South Gujarat region (1991-92).

7.	Economics impact of resource use optimization and irrigation augmentation in the command area of Narmada project of Baruch district (1991-92 to 1992-93).
8.	Cost of production and marketing of vegetable crops in South Gujarat region (1992-93).
9.	Cost of production and marketing of vine vegetable crops in South Gujarat region (1993-94)
10.	Study the impact of agricultural and Rural Debt Relief Scheme 1990 on financial institution and borrowers.(1993-94).
11.	Cost of production and marketing of tuber crops in South Gujarat. (1994-95)
12.	Study the livestock enterprise benefit the small , marginal farmers and landless milk producers in South Gujarat (1994-95)
13.	To study the livestock enterprises benefit to the small, marginal & landless milk producers in Surat district of South Gujarat (1995-96)
14.	Impact of modern farming technology on rural employment in South Gujarat (1995-96)
15.	To study the livestock enterprises benefit to the progressive, No-progressive and landless milk producers in Bharuch district in South Gujarat (1996-97)
16.	Study the livestock enterprises benefit to small, marginal and landless milk producers in South Gujarat (average of the Valsad)(1993-94) Surat (1994-95) and Bharuch (1995-96)
17.	To study the crushing capacity utilizing of sugar factories in South Gujarat (1996-97)
18.	To study the quantification of post harvest losses of food grains (Jower and Ragi) (1997-98)
19.	Tostudy the economy of mango and chiku graft in South Gujarat (1998-99)
20.	To study the cost structure of the transplanting paddy and its marketing in South Gujarat (1999-2000)

21.	To study the gap analysis of major food grain crops like kharif paddy, kharif Jower, summer Paddy and irrigated wheat in South Gujarat (1999-2000)
22.	To study the cost of cultivation of major crops grown in South Gujarat (1999-2000)
23.	To study the economy of spider lily in South Gujarat (2000-01)
24.	To study the marketing of fruit crop chiku in South Gujarat (2001-02)
25.	To study the quantification of post harvest losses in vegetables (brinjal & bhindi) (2001-02)
26	To study the marketing of fruit crop mango in South Gujarat (2002-03)
27	To study the economic aspect of shrimp cultivation in South Gujarat (pooled 2002-2003
28	To study the economic aspect of shrimp cultivation in South Gujarat (pooled 2002-2003 & 2003-04)
29	To study on socio-economic characterization of farmers in paddy based crop situation in South Gujarat.(2004-05)
30	To study the relationship between arrivals and prices of major vegetables crops in Surat and Bilimora regulated marketed (2005-06)
31	To study on the economy of rose (cut flower) in South Gujarat (2005-06)
32	To study the economy and marketing of major vegetable crops grown in Surat district (with special reference to brinjal,lady's finger and cauliflower) (2006-07)
33	To work out the comparative economics of Bt.Cotton and Hy.Cotton 2007-08)
34	To study the cost of production of castor crops in South Gujarat (2007-08)
35	Economics of production and marketing of millets of South Gujarat (2008-09

36	Economics of production and marketing of summer groundnut (2009-10)
37	Post harvest losses in sapota: An economic assessment (2009 -2010)
38	Economics of cashew plantation in Valsad district of South Gujarat (2010-11)
39	Comparative economics of SRI and traditional method of paddy cultivation in Tapi district of South Gujarat(2011-12)
40	Economics and marketing of turmeric in Nizar taluka of Tapi district (2012-13 & 2013-14 contd.)
41	Economics of leased out village ponds of fish in Navsari district of South Gujarat (2013-14)
42	Comparative economics of drip and flood method of irrigation in banana crop of South Gujarat (2014-15 & 2015-16)
43	Economic assessment of post harvest losses of kesar mango in South Gujarat (2015-16)
44	Economic viability of layer poultry farms in Navsari district of Gujarat (2016-17)
45	Economics of milk production of cows and buffaloes in Navsari district of Gujarat State (2017-18)

(2) The scheme for farm cost studies of important crops grown in Gujarat state (B.H.5018, Junagadh)

The scheme for farm cost studies of important crops grown in Gujarat State is running since 1981.The objectives of this scheme are as follow.

Objectives:

The main objective of the study is to estimate the cost of cultivation / production of important crops of the state for providing

the required data collected by survey method to the Government of Gujarat for policy implication. The generated data were analyzed by using cost concept and submitted to professor of Agril. Economics, JAU,Junagadh

Objectives :	
1.	To work out cost of cultivation per hectare.
2.	To estimate the cost of production per quintal.
3.	To determine the returns per hectare over different costs.
4.	To work out the input - output ratios and
5.	To estimate the bulk-line cost per quintal.

(3) Scheme for creating permanent machinery for studying the cost of cultivation / production of principal crops in Gujarat State.

The scheme for studying the cost of cultivation / production of principal crops in Gujarat State (B.H. 18053, Navsari) is running since 1984. In this scheme, data collection works are being done for the major crops of South Gujarat region. The data were collected by cost accounting method and send to professor of Agril. Economics, JAU, Junagadh for the State level compilation. These data are utilized in fixing the minimum support price by the Government of India.

The technical details of the scheme were worked out by the scientists of Gujarat Agricultural University and experts of Directorate of Agriculture, Gujarat State.

Objective :	
1.	To collect scientific and reliable data of input and output of important crops.
2.	To estimate the per hectare and per quintal cost of cultivation /production of important crops.
3.	To study the input/output relationship.
(4)	**Interlocking and Exploring Export Potentiality for Horticultural Crops in South Gujarat (B.H.12042, Plan Scheme)**

Objectives :

1	To study destination wise export potential by using export competitiveness indicators (Nominal Protection Coefficient (NPC), Domestic Resource Cost (DRC),Revealed Symmetric Comparative Advantage (RSCA) etc.) and suggest suitable policy measures for expanding export for major horticultural crops of Gujarat .
2	To disseminate technical know-how pertaining to Sanitary and Phytosanitory Measures (SPMs) and Codex standards for export of horticultural produce for stake holders of South Gujarat
3	To examine the present infrastructure for quality production and export for horticultural products in South Gujarat
4	To interlock farmers with exporters and other related agencies for horticultural produce in South Gujarat and
5	To ascertain the bottlenecks in export for horticultural produce and suggest their remedial measures,

(C) Extension Work :

The staff of this department has rendered advisory and extension education services to the extension workers of the department of agriculture, Gujarat State. Lectures were delivered in khedut charcha sabha and training programmes of extension workers. The staff also participates in farmers day, krushi mela, farmer's shibir, khedutdin, krushi mahotsav etc. organized by university and State Government.